

Calibration verification standard (VER): The mid-point calibration standard (CS3) that is used to verify calibration. See Table 4.

Chlorophenolics: collectively, the analytes listed in Table 1.

CS1, CS2, CS3, CS4, CS5: See Calibration standards and Table 4.

Field blank: An aliquot of reagent water or other reference matrix that is placed in a sample container in the laboratory or the field, and treated as a sample in all respects, including exposure to sampling site conditions, storage, preservation, and all analytical procedures. The purpose of the field blank is to determine if the field or sample transporting procedures and environments have contaminated the sample.

GC: Gas chromatograph or gas chromatography.

HRGC: High resolution GC.

IPR: Initial precision and recovery; four aliquots of the diluted PAR standard analyzed to establish the ability to generate acceptable precision and accuracy. An IPR is performed prior to the first time this method is used and any time the method or instrumentation is modified.

K-D: Kuderna-Danish concentrator; a device used to concentrate the analytes in a solvent.

Laboratory blank: See Method blank.

Laboratory control sample (LCS): See Ongoing precision and recovery standard (OPR).

Laboratory reagent blank: See Method blank.

May: This action, activity, or procedural step is neither required nor prohibited.

May not: This action, activity, or procedural step is prohibited.

Method blank: An aliquot of reagent water that is treated exactly as a sample including exposure to all glassware, equipment, solvents, reagents, internal standards, and surrogates that are used with samples. The method blank is used to determine if analytes or interferences are present in the laboratory environment, the reagents, or the apparatus.

Minimum level (ML): The level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

MS: Mass spectrometer or mass spectrometry.

Must: This action, activity, or procedural step is required.

OPR: Ongoing precision and recovery standard (OPR); a laboratory blank spiked with known quantities of analytes. The OPR is analyzed exactly like a sample. Its purpose is to assure that the results produced by the laboratory remain within the limits speci-

fied in this method for precision and recovery.

PAR: Precision and recovery standard; secondary standard that is diluted and spiked to form the IPR and OPR.

Preparation blank: See Method blank.

Primary dilution standard: A solution containing the specified analytes that is purchased or prepared from stock solutions and diluted as needed to prepare calibration solutions and other solutions.

Quality control check sample (QCS): A sample containing all or a subset of the analytes at known concentrations. The QCS is obtained from a source external to the laboratory or is prepared from a source of standards different from the source of calibration standards. It is used to check laboratory performance with test materials prepared external to the normal preparation process.

Reagent water: Water demonstrated to be free from the analytes of interest and potentially interfering substances at the method detection limit for the analyte.

Relative standard deviation (RSD): The standard deviation times 100 divided by the mean.

RF: Response factor. See Section 10.5.1.

RR: Relative response. See Section 10.4.4.

RSD: See Relative standard deviation.

Should: This action, activity, or procedural step is suggested but not required.

Stock solution: A solution containing an analyte that is prepared using a reference material traceable to EPA, the National Institute of Science and Technology (NIST), or a source that will attest to the purity and authenticity of the reference material.

VER: See Calibration verification standard.

PART 431 [RESERVED]

PART 432—MEAT PRODUCTS POINT SOURCE CATEGORY

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432.83 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

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432.92 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

432.93 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

432.94 [Reserved]

432.95 Standards of performance for new sources.

432.96 Pretreatment standards for new sources.

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432.100 Applicability; description of the renderer subcategory.

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432.105 Standards of performance for new sources.

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432.107 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollution control technology.

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SOURCE: 39 FR 7897, Feb. 28, 1974, unless otherwise noted.

Subpart A—Simple Slaughterhouse Subcategory

§ 432.10 Applicability; description of the simple slaughterhouse subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of red meat carcasses, in whole or part, by simple slaughterhouses.

§ 432.11 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “slaughterhouse” shall mean a plant that slaughters animals and has as its main product fresh meat as whole, half or quarter carcasses or smaller meat cuts.

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(c) The term “simple slaughterhouse” shall mean a slaughterhouse which accomplishes very limited by-product processing, if any, usually no more than two of such operations as rendering, paunch and viscera handling, blood processing, hide processing, or hair processing.

(d) The term “LWK” (live weight killed) shall mean the total weight of the total number of animals slaughtered during the time to which the effluent limitations apply; i.e., during any one day or any period of thirty consecutive days.

(e) The term “ELWK” (equivalent live weight killed) shall mean the total weight of the total number of animals slaughtered at locations other than the slaughterhouse or packinghouse, which animals provide hides, blood, viscera or renderable materials for processing at that slaughterhouse, in addition to those derived from animals slaughtered on site.

(f) The term “oil and grease” shall mean those components of process waste water amenable to measurement by the method described in “Methods for Chemical Analysis of Water and Wastes,” 1971, EPA, Analytical Quality Control Laboratory, page 217.

§ 432.12 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by-product processing of carcasses of animals slaughtered on-site, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
BOD5	0.24	0.12
TSS	0.40	0.20
Oil and grease	0.12	0.06
Fecal coliform	⁽¹⁾	⁽¹⁾
pH	⁽²⁾	⁽²⁾
	English units (pounds per 1,000 lb LWK)	
BOD5	0.24	0.12
TSS	0.40	0.20
Oil and grease	0.12	0.06
Fecal coliform	⁽¹⁾	⁽¹⁾
pH	⁽²⁾	⁽²⁾

¹ Maximum at any time 400 mpn/100 ml.

² Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing (defleshing, washing and curing) of hides derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by § 432.12(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to

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the provisions of this subpart, in addition to the discharge allowed by § 432.12(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04
Effluent characteristic	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04

(d) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by § 432.12(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.06	0.03
TSS	0.12	0.06
Effluent characteristic	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.06	0.03
TSS	0.12	0.06

(e) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by § 432.12(a):

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.02	0.01
TSS	0.04	0.02
pH	(¹)	(¹)
Effluent characteristic	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.02	0.01
TSS	0.04	0.02
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

[39 FR 7897, Feb. 28, 1974, as amended at 60 FR 33964, June 29, 1995]

§ 432.13 [Reserved]

§ 432.14 Pretreatment standards for existing sources.

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD ₅	Do.
TSS	Do.
Oil and grease	Do.
Fecal coliform	Do.

[40 FR 6446, Feb. 11, 1975, as amended at 60 FR 33964, June 29, 1995]

§ 432.15 Standards of performance for new sources.

(a) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by-product processing of carcasses of animals slaughtered on-site which may be discharged by a new source subject to the provisions of this subpart: the limitations shall be as specified in

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§ 432.12(a), with the exception that in addition to the pollutants or pollutant properties controlled by that subsection, discharges of ammonia shall not exceed the limitations set forth below:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.34	0.17
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.34	0.17

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by §§ 432.15(a) and 432.12(c):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.06	0.03
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.06	0.03

(c) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than slaughterhouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by §§ 432.15(a) and 432.12(d):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.10	0.05
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.10	0.05

(d) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the slaughterhouse which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by §§ 432.15(a) and 432.12(e):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.04	0.02

[39 FR 7897, Feb. 28, 1974; 39 FR 26423, July 19, 1974]

§ 432.16 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33964, June 29, 1995]

§ 432.17 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point

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source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.12 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart B—Complex Slaughterhouse Subcategory

§ 432.20 Applicability; description of the complex slaughterhouse subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of red meat carcasses, in whole or part, by complex slaughterhouses.

§ 432.21 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “slaughterhouse” shall mean a plant that slaughters animals and has as its main product fresh meat as whole, half or quarter carcasses or smaller meat cuts.

(c) The term “complex slaughterhouse” shall mean a slaughterhouse that accomplishes extensive by-product processing, usually at least three of such operations as rendering, paunch and viscera handling, blood processing, hide processing, or hair processing.

(d) The term “LWK” (live weight killed) shall mean the total weight of the total number of animals slaughtered during the time to which the effluent limitations apply; i.e., during any one day or any period of thirty consecutive days.

(e) The term “ELWK” (equivalent live weight killed) shall mean the total weight of the total number of animals slaughtered at locations other than the slaughterhouse or packinghouse, which animals provide hides, blood, viscera or renderable materials for processing at

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that slaughterhouse, in addition to those derived from animals slaughtered on site.

(f) The term “oil and grease” shall mean those components of process waste water amenable to measurement by the method described in “Methods for Chemical Analysis of Water and Wastes,” 1971, EPA, Analytical Quality Control Laboratory, page 217.

§ 432.22 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by-product processing of carcasses of animals slaughtered on-site, which may be discharged by a point source subject to the provisions of this subpart after application of the best practical control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg LWK)		
BOD ₅	0.42	0.21
TSS	0.50	0.25
Oil and grease	0.16	0.08
Fecal coliform	⁽¹⁾	⁽¹⁾
pH	⁽²⁾	⁽²⁾
English units (pounds per 1,000 lb LWK)		
BOD ₅	0.42	0.21
TSS	0.50	0.25
Oil and grease	0.16	0.08
Fecal coliform	⁽¹⁾	⁽¹⁾
pH	⁽²⁾	⁽²⁾

¹ Maximum at any time 400 mpn/100 ml.

² Within the range 6.0 to 9.0.

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(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing (defleshing, washing and curing) of hides derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04

(d) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the

wet or low temperature rendering of material derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06

(e) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02

[39 FR 7897, Feb. 28, 1974; 39 FR 26423, July 19, 1974, as amended at 45 FR 82254, Dec. 15, 1980; 60 FR 33964, June 29, 1995]

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§ 432.23 [Reserved]

§ 432.24 Pretreatment standards for existing sources.

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD5	Do.
TSS	Do.
Oil and grease	Do.
Fecal coliform	Do.

[40 FR 6446, Feb. 11, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.25 Standards of performance for new sources.

(a) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by-product processing of carcasses of animals slaughtered on-site which may be discharged by a new source subject to the provisions of this subpart: The limitations shall be as specified in § 432.22(a), with the exception that in addition to the pollutants or pollutant properties controlled by that subsection, discharges of ammonia shall not exceed the limitations set forth below:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg LWK)		
Ammonia	0.48	0.24
English units (pounds per 1,000 lb LWK)		
Ammonia	0.48	0.24

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(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.22(c):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg ELWK)		
Ammonia	0.06	0.03
English units (pounds per 1,000 lb ELWK)		
Ammonia	0.06	0.03

(c) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the slaughterhouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.22(d):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg ELWK)		
Ammonia	0.10	0.05
English units (pounds per 1,000 lb ELWK)		
Ammonia	0.10	0.05

(d) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the

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slaughterhouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.22(e):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.04	0.02

[39 FR 7897, Feb. 28, 1974; 39 FR 26423, July 19, 1974]

§ 432.26 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33965, June 29, 1995]

§ 432.27 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.22 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart C—Low-Processing Packinghouse Subcategory

§ 432.30 Applicability; description of the low-processing packinghouse subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of red meat carcasses in whole or part, by low-processing packinghouses.

§ 432.31 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “packinghouse” shall mean a plant that both slaughters animals and subsequently processes carcasses into cured, smoked, canned or other prepared meat products.

(c) The term “low processing packinghouse” shall mean a packinghouse that processes no more than the total animals killed at that plant, normally processing less than the total kill.

(d) The term “LWK” (live weight killed) shall mean the total weight of the total number of animals slaughtered during the time to which the effluent limitations apply; i.e., during any one day or any period of thirty consecutive days.

(e) The term “ELWK” (equivalent live weight killed) shall mean the total weight of the total number of animals slaughtered at locations other than the slaughterhouse or packinghouse, which animals provide hides, blood, viscera or renderable materials for processing at that slaughterhouse, in addition to those derived from animals slaughtered on-site.

(f) The term “oil and grease” shall mean those components of process waste water amenable to measurement by the method described in “Methods for Chemical Analysis of Water and Wastes,” 1971, EPA, Analytical Quality Control Laboratory, page 217.

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§ 432.32 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or byproduct, processing of carcasses of animals slaughtered on-site, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
BOD ₅	0.34	0.17
TSS	0.48	0.24
Oil and grease	0.16	0.08
Fecal coliform	⁽¹⁾	⁽¹⁾
pH	⁽²⁾	⁽²⁾
Effluent characteristic	English units (pounds per 1,000 lb LWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04

¹ Maximum at any time 400 mpn/100 ml.
² Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing (defleshing, washing and curing) of hides derived from animals slaughtered at locations other than the packinghouse, which may be dis-

charged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04
Effluent characteristic	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD ₅	0.04	0.02
TSS	0.08	0.04

(d) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06
	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06

(e) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02

[39 FR 7897, Feb. 28, 1974, as amended at 60 FR 33965, June 29, 1995]

§ 432.33 [Reserved]

§ 432.34 Pretreatment standards for existing sources.

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a

point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD5	Do.
TSS	Do.
Oil and grease	Do.
Fecal coliform	Do.

[40 FR 6447, Feb. 11, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.35 Standards of performance for new sources.

(a) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by product processing of carcasses of animals slaughtered on-site which may be discharged by a new source subject to the provisions of this subpart: The limitations shall be as specified in § 432.32(a), with the exception that in addition to the pollutants or pollutant properties controlled by that subsection, discharges of ammonia shall not exceed the limitations set forth below:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
Ammonia	0.48	0.24
	English units (pounds per 1,000 lb LWK)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
Ammonia	0.48	0.24

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.32(c):

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.06	0.03
	English units (pounds per 1,000 lb ELWK)	
Ammonia	10.06	0.03

(c) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.32(a).

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.10	0.05
ENT A=01'≤English units (pounds per 1,000 lb ELWK)		
Ammonia	0.10	0.05

(d) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.32(e):

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.04	0.02

[39 FR 7897, Feb. 28, 1974; 39 FR 26423, July 19, 1974]

§ 432.36 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33965, June 29, 1995]

§ 432.37 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.32 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart D—High-Processing Packinghouse Subcategory

§ 432.40 Applicability; description of the high-processing packinghouse subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of red meat carcasses, in whole or part, by high-processing packinghouses.

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§ 432.41 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “packinghouse” shall mean a plant that both slaughters animals and subsequently processes carcasses into cured, smoked, canned or other prepared meat products.

(c) The term “high-processing packinghouse” shall mean a packinghouse which processes both animals slaughtered at the site and additional carcasses from outside sources.

(d) The term “LWK” (live weight killed) shall mean the total weight of the total number of animals slaughtered during the time to which the effluent limitations apply; i.e., during any one day or any period of thirty consecutive days.

(e) The term “ELWK” (equipment live weight killed) shall mean the total weight of the total number of animals slaughtered at locations other than the slaughterhouse or packinghouse, which animals provide hides, blood, viscera or renderable materials for processing at that slaughterhouse, in addition to those derived from animals slaughtered on-site.

(f) The term “oil and grease” shall mean those components of process waste water amenable to measurement by the method described in “Methods for Chemical Analysis of Water and Wastes,” 1971, EPA, Analytical Quality Control Laboratory, page 217.

§ 432.42 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat,

meat product or byproduct processing of carcasses of animals slaughtered on-site, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
BOD ₅ +	0.48	0.24
TSS+	0.62	0.31
Oil and grease	0.26	0.13
Fecal coliform	(¹)	(¹)
pH	(²)	(²)
	English units (pounds per 1,000 lb LWK)	
BOD ₅ +	0.48	0.24
TSS+	0.62	0.31
Oil and grease	0.26	0.13
Fecal coliform	(¹)	(¹)
pH	(²)	(²)

¹ Maximum at any time 400 mpn/100 ml.

² Within the range 6.0 to 9.0.

+The values for BOD₅ and suspended solids are for average plants, i.e., plants with a ratio of average weight of processed meat products to average LWK of 0.55. Adjustments can be made for high-processing packing-houses at other ratios according to the following equations:

$$\text{kg BOD}_5/1000 \text{ kg LWK} = 0.21 + 0.23(v - 0.4)$$

$$\text{kg SS}/1000 \text{ kg LWK} = 0.28 + 0.30(v - 0.4)$$

where

v = kg processed meat products / kg LWK.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing (defleshing, washing and curing) of hides derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.04	0.02
TSS	0.08	0.04

(d) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.06	0.03
TSS	0.12	0.06

(e) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a point source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02
	English units (pounds per 1,000 lb ELWK)	
BOD5	0.02	0.01
TSS	0.04	0.02

[39 FR 7897, Feb. 28, 1974, as amended at 60 FR 33965, June 29, 1995]

§ 432.43 [Reserved]

§ 432.44 Pretreatment standards for existing sources.

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a

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point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD5	Do.
TSS	Do.
Oil and grease	Do.
Fecal coliform	Do.

[40 FR 6447, Feb. 11, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.45 Standards of performance for new sources.

(a) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to on-site slaughter or subsequent meat, meat product or by-product processing or carcasses of animals slaughtered onsite which may be discharged by a new source subject to the provisions of this subpart: The limitations shall be as specified in § 432.42(a), with the exception that in addition to the pollutants or pollutant properties controlled by that subsection, discharges of ammonia shall not exceed the limitations set forth below:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg LWK)	
Ammonia	0.80	0.40
	English units (pounds per 1,000 lb LWK)	
Ammonia	0.80	0.40

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the processing of blood derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge

allowed by paragraph (a) of this section and § 432.42(c):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.06	0.03
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.06	0.03

(c) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the wet or low temperature rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.42(d):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg ELWK)	
Ammonia	0.10	0.05
	English units (pounds per 1,000 lb ELWK)	
Ammonia	0.10	0.05

(d) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to the dry rendering of material derived from animals slaughtered at locations other than the packinghouse, which may be discharged by a new source subject to the provisions of this subpart, in addition to the discharge allowed by paragraph (a) of this section and § 432.42(e):

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg ELWK)		
Ammonia	0.04	0.02
English units (pounds per 1,000 lb ELWK)		
Ammonia	0.04	0.02

[39 FR 7897, Feb. 28, 1974; 39 FR 26423, July 19, 1974]

§ 432.46 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33965, June 29, 1995]

§ 432.47 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.42 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart E—Small Processor Subcategory

SOURCE: 40 FR 905, Jan. 3, 1975, unless otherwise noted.

§ 432.50 Applicability; description of the small processor subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of finished meat prod-

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ucts such as fresh meat cuts, smoked products, canned products, hams, sausages, luncheon meats, or similar products by a small processor.

§ 432.51 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “small processor” shall mean an operation that produces up to 2730 kg (6000 lb) per day of any type or combination of finished products.

(c) The term “finished product” shall mean the final manufactured product as fresh meat cuts, hams, bacon or other smoked meats, sausage, luncheon meats, stew, canned meats or related products.

§ 432.52 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kg/kg of finished product)		
BOD5	2.0	1.0
TSS	2.4	1.2
Oil and grease	1.0	0.5
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
English units (lb/1,000 lb of finished product)		
BOD5	2.0	1.0
TSS	2.4	1.2
Oil and grease	1.0	0.5
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² No limitation.

[40 FR 905, Jan. 3, 1975, as amended at 60 FR 33965, June 29, 1995]

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§§ 432.53–432.54 [Reserved]

§ 432.55 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	1.0	0.5
TSS	1.2	0.6
Oil and grease	0.5	0.25
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
	English units (lb/1,000 lb of finished product)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	1.0	0.5
TSS	1.2	0.6
Oil and grease	0.5	0.25
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² No limitation.

§ 432.56 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
BOD ₅	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 905, Jan. 3, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.57 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, the following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best conventional pollutant control technology:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	1.0	0.5
TSS	1.2	0.6
Oil and grease	0.5	0.25
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
	English units (lb/1,000 lb of finished product)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	1.0	0.5
TSS	1.2	0.6
Oil and grease	0.5	0.25
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² No limitation.

[51 FR 25001, July 9, 1986]

Subpart F—Meat Cutter Subcategory

SOURCE: 40 FR 906, Jan. 3, 1975, unless otherwise noted.

§ 432.60 Applicability; description of the meat cutter subcategory.

The provisions of this subpart are applicable to discharges resulting from the fabrication or manufacture of fresh meat cuts such as steaks, roasts, chops, etc. by a meat cutter.

§ 432.61 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

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(b) The term “meat cutter” shall mean an operation which fabricates, cuts, or otherwise produces fresh meat cuts and related finished products from livestock carcasses, at rates greater than 2730 kg (6000 lb) per day.

(c) The term “finished product” shall mean the final manufactured product as fresh meat cuts including, but not limited to, steaks, roasts, chops, or boneless meats.

§ 432.62 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	0.036	0.018
TSS	0.044	0.022
Oil and grease	0.012	0.006
pH	⁽¹⁾	⁽¹⁾
Fecal coliforms	⁽²⁾	⁽²⁾
	English units (lb/1,000 lb of finished product)	
BOD ₅	0.036	0.018
TSS	10.044	0.022
Oil and grease	0.012	0.006
pH	⁽¹⁾	⁽¹⁾
Fecal coliforms	⁽²⁾	⁽²⁾

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

[40 FR 906, Jan. 3, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.63 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions

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of this subpart after application of the best available technology economically achievable:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Milligrams per liter—effluent	
Ammonia	8.0 mg/l	4.0

[44 FR 50748, Aug. 29, 1979]

§ 432.64 [Reserved]

§ 432.65 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	0.036	0.018
TSS	0.044	0.022
Oil and grease	0.012	0.006
pH	⁽¹⁾	⁽¹⁾
Fecal coliforms	⁽²⁾	⁽²⁾
	English units (lb/1,000 lb of finished product)	
BOD ₅	0.030	0.015
TSS	0.036	0.018
Oil and grease	0.012	0.006
pH	⁽¹⁾	⁽¹⁾
Fecal coliforms	⁽²⁾	⁽²⁾

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

§ 432.66 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a

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new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
BOD5	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 906, Jan. 3, 1975, as amended at 60 FR 33965, June 29, 1995]

§ 432.67 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.62 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart G—Sausage and Luncheon Meats Processor Subcategory

SOURCE: 40 FR 907, Jan. 3, 1975, unless otherwise noted.

§ 432.70 Applicability; description of the sausage and luncheon meat processor subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of fresh meat cuts, sausage, bologna, and other luncheon meats by a sausage and luncheon meat processor.

§ 432.71 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “sausage and luncheon meat processor” shall mean an oper-

ation which cuts fresh meats, grinds, mixes, seasons, smokes or otherwise produces finished products such as sausage, bologna and luncheon meats at rates greater than 2730 kg (6000 lb) per day.

(c) The term “finished product” shall mean the final manufactured product as fresh meat cuts including steaks, roasts, chops or boneless meat, bacon or other smoked meats (except hams) such as sausage, bologna or other luncheon meats, or related products (except canned meats).

§ 432.72 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD5	0.56	0.28
TSS	0.68	0.34
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
	English units (lb/1,000 lb of finished product)	
BOD5	0.56	0.28
TSS	0.68	0.34
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

[40 FR 907, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.73 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or

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pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

[Milligrams per liter—effluent]		
Effluent characteristics	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Ammonia	80 mg/l	4.0

[44 FR 50748, Aug. 29, 1979]

§ 432.74 [Reserved]

§ 432.75 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new sources subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kg/kg of finished product)		
BOD5	0.56	0.28
TSS	0.68	0.34
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
English units (lb/1,000 lb of finished product)		
BOD5	0.48	0.24
TSS	0.58	0.29
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

§ 432.76 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this

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section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
BOD5	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 907, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.77 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.72 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart H—Ham Processor Subcategory

SOURCE: 40 FR 908, Jan. 3, 1975, unless otherwise noted.

§ 432.80 Applicability; description of the ham processor subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of hams alone or in combination with other finished products by a ham processor.

§ 432.81 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “ham processor” shall mean an operation which manufactures hams alone or in combination with

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other finished products at rates greater than 2730 kg (6000 lb) per day.

(c) The term “finished products” shall mean the final manufactured product as fresh meat cuts including steaks, roasts, chops or boneless meat, smoked or cured hams, bacon or other smoked meats, sausage, bologna or other luncheon meats (except canned meats).

§ 432.82 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	0.62	0.31
TSS	0.74	0.37
Oil and grease	0.22	0.11
pH	(¹)	(¹)
Fecal coliform	(²)	(²)
	English units (lb/1,000 lb of finished product)	
BOD ₅	0.62	0.31
TSS	0.74	0.37
Oil and grease	0.22	0.11
pH	(¹)	(¹)
Fecal coliform	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

[40 FR 908, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.83 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the

best available technology economically achievable:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Ammonia	8.0 mg/l	4.0

[44 FR 50748, Aug. 29, 1979]

§ 432.84 [Reserved]

§ 432.85 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD ₅	0.62	0.31
TSS	0.74	0.37
Oil and grease	0.22	0.11
pH	(¹)	(¹)
Fecal coliform	(²)	(²)
	English units (lb/1,000 lb of finished product)	
BOD ₅	0.62	0.31
TSS	0.74	0.37
Oil and grease	0.22	0.11
pH	(¹)	(¹)
Fecal coliform	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

§ 432.86 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

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Pollutant or pollutant property	Pretreatment standard
BOD5	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 908, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.87 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.82 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart I—Canned Meats Processor Subcategory

SOURCE: 40 FR 909, Jan. 3, 1975, unless otherwise noted.

§ 432.90 Applicability; description of the canned meats processor subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of canned meats alone or in combination with any other finished products, by a canned meats processor.

§ 432.91 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “canned meat processor” shall mean an operation which prepares and cans meats (such as stew, sandwich spreads, or similar products) alone or in combination with other fin-

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ished products at rates greater than 2730 kg (6000 lb.) per day.

(c) The term “finished products” shall mean the final manufactured product as fresh meat cuts including steaks, roasts, chops or boneless meat, hams, bacon or other smoked meats, sausage, bologna or other luncheon meats, stews, sandwich spreads or other canned meats.

§ 432.92 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD5	0.74	0.37
TSS	0.90	0.45
Oil and grease	0.26	0.12
pH	(¹)	(¹)
Fecal coliform	(²)	(²)
	English units (lb/1,000 lb of finished product)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of finished product)	
BOD5	0.74	0.37
TSS	0.90	0.45
Oil and grease	0.26	0.13
pH	(¹)	(¹)
Fecal coliform	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

[40 FR 909, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.93 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the

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best available technology economically achievable:

[Milligrams per liter—effluent]

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Ammonia	8.0 mg/l	4.0

[44 FR 50748, Aug. 29, 1979]

§ 432.94 [Reserved]

§ 432.95 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kg/kg of finished product)		
BOD5	0.74	0.37
TSS	0.90	0.45
Oil and grease	0.26	0.13
pH	(¹)	(¹)
Fecal coliform	(²)	(²)
English units (lb/1,000 lb of finished product)		
BOD5	0.74	0.37
TSS	0.90	0.45
Oil and grease	0.26	0.13
pH	(¹)	(¹)
Fecal coliform	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

§ 432.96 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
BOD5	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 909, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.97 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 432.92 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25001, July 9, 1986]

Subpart J—Renderer Subcategory

SOURCE: 40 FR 910, Jan. 3, 1975, unless otherwise noted.

§ 432.100 Applicability; description of the renderer subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of meat meal, dried animal by-product residues (tankage), animal oils, grease and tallow, perhaps including hide curing, by a renderer.

§ 432.101 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “renderer” shall mean an independent or off-site rendering operation, conducted separate from a slaughterhouse, packinghouse or poultry dressing or processing plant, which manufactures at rates greater than 75,000 pounds of raw material per day of meat meal, tankage, animal fats or

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oils, grease, and tallow, and may cure cattle hides, but excluding marine oils, fish meal, and fish oils.

(c) The term “tankage” shall mean dried animal by-product residues used in feedstuffs.

(d) The term “tallow” shall mean a product made from beef cattle or sheep fat that has a melting point of 40 °C or greater.

(e) The term “raw material” or as abbreviated herein, “RM”, shall mean the basic input materials to a renderer composed of animal and poultry trimmings, bones, meat scraps, dead animals, feathers and related usable by-products.

§ 432.102 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

(a) Except as provided in §§125.30 through 125.32, and subject to the provisions of paragraph (b) of this section, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
BOD ₅	0.34	0.17
TSS	0.42	0.21
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliform	(²)	(²)
Effluent characteristic	English units (lb/1,000 lb of raw material)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
BOD ₅	0.34	0.17
TSS	0.42	0.21
Oil and grease	0.20	0.10
pH	(¹)	(¹)
Fecal coliform	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

(b) The limitations given in paragraph (a) of this section for BOD₅ and TSS are derived for a renderer which does no cattle hide curing as part of

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the plant activities. If a renderer does conduct hide curing, the following empirical formulas should be used to derive an additive adjustment to the effluent limitations for BOD₅ and TSS.

BOD₅ Adjustment (kg/kkg RM) = $[8.0 \times (\text{number of hides}) / \text{kg of raw material}]$ (lb/1,000 lb RM) = $[17.6 \times (\text{number of hides}) / \text{lbs of raw material}]$

TSS Adjustment (kg/kkg RM) = $[11.0 \times (\text{number of hides}) / \text{kg of raw material}]$ (lb/1,000 lb RM) = $[24.2 \times (\text{number of hides}) / \text{lbs of raw material}]$

[40 FR 910, Jan. 3, 1975; 40 FR 11874, Mar. 14, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.103 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Ammonia	0.14	0.07
Effluent characteristic	English units (lb/1,000 lb of raw material)	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Ammonia	0.14	0.07

[44 FR 50748, Aug. 29, 1979]

§ 432.104 [Reserved]

§ 432.105 Standards of performance for new sources.

(a) Subject to the provisions of paragraph (b) of this section, the following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

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Effluent characteristics	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg of raw material)	
BOD ₅	0.18	0.09
TSS .....	.22	.11
Oil and grease .....	.10	.05
Ammonia .....	.14	.07
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)
	English units (pounds per 1,000 lb of raw material)	
BOD ₅	0.18	0.09
TSS .....	.22	.11
Oil and grease .....	.10	.05
Ammonia .....	.14	.07
pH	(¹)	(¹)
Fecal coliforms	(²)	(²)

¹ Within the range 6.0 to 9.0.

² Maximum at any time 400 mpn/100 ml.

(b) The standards given in paragraph (a) of this section for BOD₅ and TSS are derived for a renderer which does no cattle hide curing as part of the plant activities. If a renderer does conduct hide curing, the following empirical formulas should be used to derive an additive adjustment to the standards for BOD₅ and TSS.

BOD₅ adjustment (kilograms per 1,000 kg of raw material) = $8.0 \times (\text{number of hides}) / (\text{kilograms of raw material (pounds per 1,000 lb of raw material)})$ = $17.6 \times (\text{number of hides}) / (\text{pounds of raw material})$

TSS adjustment (kilograms per 1,000 kg of raw material) = $11.0 \times (\text{number of hides}) / (\text{kilograms of raw material (pounds per 1,000 lb of raw material)})$ = $24.2 \times (\text{number of hides}) / (\text{pounds of raw material})$

[42 FR 54419, Oct. 6, 1977]

§ 432.106 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
BOD ₅	No limitation.
TSS	Do.
Oil and grease	Do.
pH	Do.
Fecal coliform	Do.

[40 FR 910, Jan. 3, 1975, as amended at 60 FR 33966, June 29, 1995]

§ 432.107 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollution control technology.

(a) Except as provided in §§ 125.30 through 125.32, and subject to the provisions of paragraph (b) of this section, the following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best conventional pollutant control technology:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kg of raw material)	
BOD ₅	0.18	0.09
TSS	0.22	0.11
Oil and grease	0.10	0.05
Fecal coliforms	(¹)	(¹)
pH	(²)	(²)
	English units (lb/lb of raw material)	
BOD ₅	0.18	0.09
TSS	0.22	0.11
Oil and grease	0.10	0.05
Fecal coliforms	(¹)	(¹)
pH	(²)	(²)

¹ Maximum at any time: 400 mpn/100 ml.

² Within the range 6.0 to 9.0.

(b) The limitations given in paragraph (a) of this section for BOD₅ and TSS are derived for a renderer which does no cattle hide curing as part of the plant activities. If a renderer does conduct hide curing, the following empirical formulas should be used to derive an additive adjustment to the effluent limitations for BOD₅ and TSS.

BOD₅ Adjustment (kg/kg RM) = $3.6 \times (\text{number of hides}) / (\text{kg of raw material (lb/1,000 lb})$

RM) = $7.9 \times (\text{number of hides})/\text{lbs of raw material}$
 TSS Adjustment (kg/kg RM) = $6.2 \times (\text{number of hides})/\text{kg of raw material}$ (lb/1,000 lb RM)
 = $13.6 \times (\text{number of hides})/\text{lbs of raw material}$

[51 FR 25001, July 9, 1986]

PART 433—METAL FINISHING POINT SOURCE CATEGORY

Subpart A—Metal Finishing Subcategory

Sec.

433.10 Applicability; description of the metal finishing point source category.

433.11 Specialized definitions.

433.12 Monitoring requirements.

433.13 Effluent limitations representing the degree of effluent reduction attainable by applying the best practicable control technology currently available (BPT).

433.14 Effluent limitations representing the degree of effluent reduction attainable by applying the best available technology economically achievable (BAT).

433.15 Pretreatment standards for existing sources (PSES).

433.16 New source performance standards (NSPS).

433.17 Pretreatment standards for new sources (PSNS).

AUTHORITY: Secs. 301, 304(b), (c), (e), and (g), 306(b) and (c), 307(b) and (c), 308 and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1971, as amended by the Clean Water Act of 1977) (the "Act"); 33 U.S.C. 1311, 1314(b) (c), (e), and (g), 1316(b) and (c), 1317(b) and (c), 1318 and 1361; 86 Stat. 816, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 95-217.

SOURCE: 48 FR 32485, July 15, 1983, unless otherwise noted.

Subpart A—Metal Finishing Subcategory

§ 433.10 Applicability; description of the metal finishing point source category.

(a) Except as noted in paragraphs (b) and (c), of this section, the provisions of this subpart apply to plants which perform any of the following six metal finishing operations on any basis material: Electroplating, Electroless Plating, Anodizing, Coating (chromating, phosphating, and coloring), Chemical Etching and Milling, and Printed Circuit Board Manufacture. If any of those six operations are present, then this part applies to discharges from those

operations and also to discharges from any of the following 40 process operations: Cleaning, Machining, Grinding, Polishing, Tumbling, Burnishing, Impact Deformation, Pressure Deformation, Shearing, Heat Treating, Thermal Cutting, Welding, Brazing, Soldering, Flame Spraying, Sand Blasting, Other Abrasive Jet Machining, Electric Discharge Machining, Electrochemical Machining, Electron Beam Machining, Laser Beam Machining, Plasma Arc Machining, Ultrasonic Machining, Sintering, Laminating, Hot Dip Coating, Sputtering, Vapor Plating, Thermal Infusion, Salt Bath Descaling, Solvent Degreasing, Paint Stripping, Painting, Electrostatic Painting, Electropainting, Vacuum Metalizing, Assembly, Calibration, Testing, and Mechanical Plating.

(b) In some cases effluent limitations and standards for the following industrial categories may be effective and applicable to wastewater discharges from the metal finishing operations listed above. In such cases these part 433 limits shall not apply and the following regulations shall apply:

Nonferrous metal smelting and refining (40 CFR part 421)

Coil coating (40 CFR part 465)

Porcelain enameling (40 CFR part 466)

Battery manufacturing (40 CFR part 461)

Iron and steel (40 CFR part 420)

Metal casting foundries (40 CFR part 464)

Aluminum forming (40 CFR part 467)

Copper forming (40 CFR part 468)

Plastic molding and forming (40 CFR part 463)

Nonferrous forming (40 CFR part 471)

Electrical and electronic components (40 CFR part 469)

(c) This part does not apply to:

(1) Metallic platemaking and gravure cylinder preparation conducted within or for printing and publishing facilities; and

(2) Existing indirect discharging job shops and independent printed circuit board manufacturers which are covered by 40 CFR part 413.)

[48 FR 32485, July 15, 1983; 48 FR 43682, Sept. 26, 1983; 48 FR 45105, Oct. 3, 1983; 51 FR 40421, Nov. 7, 1986]

§ 433.11 Specialized definitions.

The definitions set forth in 40 CFR part 401 and the chemical analysis methods set forth in 40 CFR part 136